

AMENDMENTS TO THE CLAIMS

Listing of Claims:

Claim 1 (Previously Presented): A digital camera comprising:

a first writer for writing to a first area of a memory a raw image of an objective scene captured in response to a capturing instruction;

a reader for reading the raw image stored in said first area;

a first producer for producing an image for recording based on the raw image read out by said reader;

a second producer for producing an image for display based on the image for recording produced by said first producer;

a second writer for writing to a second area of said memory the image for display produced by said second producer; and

a third writer for writing to a third area of said memory the image for recording produced by said first producer; wherein an access speed to said memory is three times greater or more than a processing speed of each of said first producer and said second producer, and the image for recording produced by said first producer is applied to said second producer without passing through said memory.

Claim 2 (Original): A digital camera according to claim 1, further comprising a buffer memory to be accessed at a first clock rate and a second clock rate of three times

Response
Application No. 09/784,308
Attorney Docket No. 010169

greater or more than the first clock rate, wherein a difference between the access speed to said memory and the processing speed of said first and second producers is absorbed by said buffer memory.

Claim 3 (Previously Presented): A digital camera according to claim 1, wherein said second producer makes a resolution-reducing process on the image for recording so as to produce the image for display.

Claim 4 (Previously Presented): A digital camera according to claim 1, wherein said memory has a single data input/output port, and each of said first writer, said reader, said second writer and said third writer accesses said memory through said data input/output port.

Claim 5 (Previously Presented): A digital camera according to claim 1, wherein the raw image is an image that each pixel has any one color component, and each of the image for display and the image for recording is an image corresponding to a YUV format.

Claim 6 (Previously Presented): A digital camera according to claim 1, further comprising: an outputter for outputting the image for display to a display monitor by reading same from said second area; and a recorder for recording the image for recording to a recording medium by reading same from said third area.

Response

Application No. 09/784,308

Attorney Docket No. 010169

Claims 7-13 (Cancelled).